Index of Claims

| aqA | lica | tion | /Cor | ntrol | No. |
|-----|------|------|------|-------|-----|
|     |      |      |      |       |     |

Applicant(s)/Patent under Reexamination

10/600,179 Examiner

BARILE, STEVEN E. **Art Unit** 

Mitra Kianersi

2145

Rejected Allowed

(Through numeral) Cancelled Restricted

Non-Elected N

Interference

**Appeal** Α 0 Objected

|              |                      |                    |          |  |                | _   |                |              |          |              |  |  |
|--------------|----------------------|--------------------|----------|--|----------------|---|----------------|--------------|----------|--------------|--|--|
| Cla          | im                   | Date               |          |  |                |   |                |              |          |              |  |  |
| Final        | Original             |                    |          |  |                |   |                |              |          |              |  |  |
|              | 1                    | 1                  |          |  |                |   |                | T            |          | ∵            |  |  |
|              | 2                    | 4                  |          |  | $\Box$         |   | $\neg$         |              |          | $\neg$       |  |  |
|              | 3                    | 1                  |          |  |                |   | 一              | $\Box$       | ヿ        |              |  |  |
|              | <u>4</u><br>5        | 777                |          |  |                |   |                |              |          |              |  |  |
|              | 5                    |                    |          |  |                |   |                |              |          |              |  |  |
|              | 6                    | 1                  |          |  |                |   |                |              |          |              |  |  |
|              | 7                    | 777                |          | L  | <u> </u>       |   |                |              |          | _            |  |  |
|              | 8                    | 1                  |          |  |                |   |                | _            | _        | _            |  |  |
|              | 9                    | 1                  |          |  | <u> </u>       |   |                |              | _        | _            |  |  |
|              | 10                   | 7                  |          |  |                |   | _              |              | _        |              |  |  |
|              | 11                   |                    |          | _  |                |   | $\blacksquare$ |              | $\dashv$ | _            |  |  |
|              | 12                   | I V                |          | ⊢  | -              | <del> </del>  | -              |              | $\dashv$ |              |  |  |
|              | 13                   | 1                  | -        | $\vdash$   | -              | $\vdash$  | -              | $\dashv$     |          |              |  |  |
|              | 12<br>13<br>14<br>15 |                    |          | $\vdash$   | -              | -   | $\vdash$       | Н            | $\dashv$ |              |  |  |
|              | 16                   | 1                  | ┝        | ╁─   | _              | ┢   |                |              |          |              |  |  |
|              | 16<br>17             | ij                 | $\vdash$ | $\vdash$   | -              | $\vdash$  |                |              |          |              |  |  |
|              | 18                   |                    | $\vdash$ | <del>                                     </del> | ╁              | -   | $\vdash$       |              |          | -            |  |  |
|              | 18<br>19             | 1                  | T        | T  | 1              | ┪   |                |              |          |              |  |  |
|              | 20                   | 1                  | $\vdash$ | 一  |                |   | _              |              |          |              |  |  |
|              | 21<br>22<br>23       | 1                  |          |  | _              |   | Г              |              |          |              |  |  |
|              | 22                   | 1                  |          |  |                |   |                |              |          |              |  |  |
|              | 23                   | V                  |          |  |                |   |                |              |          |              |  |  |
|              | 24                   | 1                  |          |  |                |   |                | <u> </u>     |          |              |  |  |
|              | 24<br>25<br>26       | $oldsymbol{\perp}$ |          | Ŀ  | ļ .            | <u> </u>  |                |              |          |              |  |  |
|              | 26                   | <u> </u>           | <u> </u> | <u> </u>   | 1_             | <u> </u>  |                | _            |          | _            |  |  |
| <u> </u>     | 27                   | <del> </del>       | <u> </u> | <del> </del>                                     | <del>  -</del> |   | _              | <u> </u>     |          |              |  |  |
|              | 27<br>28<br>29       | ┼-                 | _        | ├-   | -              | ├-  | ⊢              |              | _        | ├            |  |  |
| <u> </u>     | 29                   | 4—                 | ┢        | ╁  | -              | ├   | -              | $\vdash$     | _        |              |  |  |
| <del> </del> | 30<br>31             | ╁                  | ├-       | ╁  | ╀              | ⊢   | <del> -</del>  | <del> </del> | ├        | -            |  |  |
| -            | 32                   | ╁                  | ┼        | ╁  | ╁╌             | -   | $\vdash$       | ┢            | -        | $\vdash$     |  |  |
| <u> </u>     | 32<br>33             | ╁                  | ╁╌       | +  | $\vdash$       | +-  | <del> </del>   |              | ┢─       | $\vdash$     |  |  |
|              | 34                   | +-                 | $\vdash$ | +-   |                | $\vdash$  | 1              | 一            |          |              |  |  |
| _            | 35                   | ╁                  | 1        | t  | T              | T   |                |              |          |              |  |  |
|              | 36                   | T                  |          | T  | $\top$         |   |                |              |          |              |  |  |
|              | 37                   | $\top$             | Π        |  | Τ              |   | Π              |              |          |              |  |  |
|              | 38                   |                    |          |  |                | $\Box$  | L              |              |          |              |  |  |
|              | 39                   | Τ.                 |          |  |                |   |                | _            |          |              |  |  |
|              | 40                   |                    | <u> </u> | _  | 上              | $oldsymbol{ol}}}}}}}}}}}}}}}}}$ | L              | <u></u>      |          | <u> </u>     |  |  |
| ļ            | 41                   | 1_                 | 1        | $\perp$  | ـ              | ╄   | 1-             | ـــ          | <u> </u> | <del> </del> |  |  |
| <u> </u>     | 42                   | 1                  | $\vdash$ | +  | -              | _   | ┼—             | -            | -        | -            |  |  |
| <u> </u>     | 43                   | +                  | $\vdash$ | ╀  | ╁-             | ╀   | +-             | +-           | $\vdash$ | -            |  |  |
| <u> </u>     | 44                   | +                  | ┼-       | ╀  | +-             | +   | +-             | $\vdash$     | Ͱ        | ├            |  |  |
| <u> </u>     | 45                   | +-                 | +        | +  | +              | +   | ╁              | +            | -        | $\vdash$     |  |  |
| <del></del>  | 46<br>47             | +-                 | +        | +  | +-             | ╀   | ╫              | $\vdash$     | 1        | ┢            |  |  |
| <u> </u>     | 48                   | +                  | ╁        | +  | +-             | +-  | +              | $\vdash$     | +        | +            |  |  |
| -            | 49                   | +                  | +        | +  | +              | +   | +              | 十            | ┢        | t            |  |  |
| $\vdash$     | 50                   | +-                 | +        | +  | +-             | $\top$  | t              | 1            |          | H            |  |  |
| L            | 1 00                 |                    | •        | 1  |                | 1   | 1              | 1            | £        |              |  |  |

| laim     | Date         |              |   |              |                                     |          |                    | Claim    |                               |   | Date     |          |          |  |          |            |  |          |          |          |              |
|----------|--------------|--------------|---|--------------|-------------------------------------|----------|--------------------|----------|-------------------------------|---|----------|----------|----------|--|----------|------------|--|----------|----------|----------|--------------|
| Original | 0608200      |              |   |              |                                     |          |                    |          |                               |   | Final    | Original |          |  |          |            |  |          |          |          |              |
| 1        | V            |              |   |              |                                     |          |                    |          |                               |   |          | 51       |          |  |          |            |  |          |          |          | $\Box$       |
| 2        | V            |              |   |              |                                     |          |                    |          |                               |   |          | 52       | _        | _  |          |            |  |          |          |          | Ш            |
| 3        | 1            |              |   |              |                                     |          |                    |          |                               |   |          | 53       |          | _  | _        |            |  |          |          |          | Ш            |
| 4        | V            |              |   |              |                                     |          |                    |          |                               |   |          | 54       | _        | _  | _        |            | _                                      | _        |          |          |              |
| 5        | V            |              | _ |              |                                     |          |                    |          |                               |   |          | 55       | _        | _  | _        |            |  | ļ        |          |          | Ш            |
| 6        | 1            |              | _ |              |                                     |          |                    |          |                               |   |          | 56       | _        |  |          |            | _                                      | <u> </u> |          | L        | Щ            |
| 7        | V            | Ш            |   |              |                                     |          |                    |          |                               |   |          | 57       | -        |  | _        |            | <u> </u>                               |          | _        |          |              |
| 8        | ٧            |              |   |              |                                     |          | _                  |          |                               |   |          | 58       | _        |  |          |            | _                                      | <u> </u> | <u> </u> | ·        |              |
| 9        | 1            |              |   |              |                                     | Ш        |                    |          |                               |   |          | 59       | _        |  |          |            | _                                      | <u> </u> | _        | <u> </u> | $\sqcup$     |
| 10       | 1            |              |   |              | L_                                  |          |                    |          | L.                            |   |          | 60       |          | _  |          |            | _                                      | ⊢        |          | <u> </u> | $\square$    |
| 11       | 1            |              |   |              |                                     |          |                    |          |                               |   |          | 61       |          |  |          | _          | ļ                                      |          |          | ļ        | Щ            |
| 12       | 1            |              |   | L            | _                                   | <u> </u> | L_                 |          | $\Box$                        |   |          | 62       |          |  |          | _          | <b> </b>                               | 1        | <u> </u> |          | Н            |
| 13       | V            |              |   | _            | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | <u> </u> | _                  | L        |                               |   |          | 63       | $\Box$   |  |          |            | ⊢                                      | <u> </u> |          | 1        | Ш            |
| 14       | V            |              |   | L            | <u> </u>                            | <u>_</u> | <u> </u>           | <u> </u> | <u> </u>                      |   |          | 64       |          |  |          |            | <u> </u>                               | <u> </u> | _        | <u> </u> | Ш            |
| 15       | 1            | _            |   | <u> </u>     | _                                   |          | _                  |          |                               |   |          | 65<br>66 |          |  |          | _          | <u> </u>                               | <u> </u> |          | <u> </u> | Щ            |
| 16       | 1            | 匚            |   |              |                                     | <u> </u> | <u> </u>           | L_       |                               |   |          | 66       | Ш        |  |          |            | ļ.,                                    | <u> </u> | _        |          | Ш            |
| 17       | 1            |              |   |              | _                                   | <u></u>  |                    |          | <u> </u>                      |   |          | 67       |          |  |          |            |  | <u> </u> | _        | _        |              |
| 18       | 1            |              |   |              | L                                   |          | L                  |          |                               |   |          | 68       |          |  |          | _          | <u> </u>                               | <u> </u> | Ļ        | <u> </u> |              |
| 19       | 1            |              |   |              |                                     | L.,      |                    |          | <u> </u>                      |   |          | 69       |          |  |          |            | oxdot                                  | <u> </u> | <u> </u> | <u> </u> | _            |
| 20       | 1            |              |   | L.,          |                                     | <u> </u> |                    |          | <u> </u>                      |   |          | 70       |          |  |          |            | _                                      | <u> </u> | _        | ļ        | _            |
| 21       | 1            |              |   |              |                                     | L        |                    | L        | L                             | 1 |          | 71       |          |  |          |            | 乚                                      | <u> </u> |          | _        |              |
| 22       | 1            |              |   |              |                                     |          |                    |          | $oxedsymbol{oldsymbol{oxed}}$ | j |          | 72       |          |  | <u> </u> |            | L                                      | L        | <u> </u> | _        | L_           |
| 23       | V            |              |   |              |                                     |          | <u> </u>           |          |                               |   | <u></u>  | 73       |          |  |          | L.         | <u> </u>                               | _        | <u> </u> | _        |              |
| 24       | 1            |              |   |              |                                     |          | L                  | L        | <u>L</u>                      |   |          | 74       |          |  |          | <u>L</u> . | $oxed{oxed}$                           |          | <u> </u> | _        |              |
| 25       |              |              |   |              | <u> </u>                            |          |                    |          |                               |   | <u></u>  | 75       |          |  |          | _          | L                                      | 1        | <u> </u> | <u> </u> | _            |
| 26       |              |              |   |              |                                     |          | L                  |          | _                             |   | <u> </u> | 76       | ·        |  | _        | L          | <u> </u>                               | <u> </u> | 1_       | <u> </u> | _            |
| 27       |              |              |   |              |                                     |          |                    |          | _                             |   |          | 77       |          |  |          |            | _                                      | L.       | _        | 丄        |              |
| 28       |              |              |   |              |                                     |          |                    | L        | L_                            |   |          | 78       |          |  | _        | _          | L                                      | ╙        | <u> </u> | ┞        | ļ            |
| 29       |              |              |   | L.           |                                     |          |                    |          | _                             |   |          | 79       | L        |  |          | _          | $oxed{igspace}$                        | ↓_       | _        | _        |              |
| 30       |              |              |   |              |                                     |          |                    |          |                               | ] |          | 80       |          | _  |          | <u></u>    |  | _        | ┖        |          | <u> </u>     |
| 31       |              |              |   |              |                                     |          | <u></u>            |          | $\perp$                       | ] |          | 81       |          | Щ.   | _        |            | _                                      | <u> </u> | ↓_       | <u> </u> | _            |
| 32       |              |              |   |              |                                     |          | L                  |          |                               | ] |          | 82       | L        |  |          | ļ          | ┖                                      | ┺        | <u> </u> | <u> </u> | _            |
| 33       | $\perp$      | Ĺ            | L | $\Box$       |                                     |          |                    | $\perp$  | _                             |   |          | 83       | _        |  | _        | L          | $oldsymbol{oldsymbol{oldsymbol{eta}}}$ | $\perp$  |          | 1        | 1_           |
| 34       |              |              |   |              | $oxedsymbol{oxed}$                  | $\Box$   |                    |          |                               | ] |          | 84       |          | _  | <u> </u> | L          | ↓_                                     | 丄        | 1_       | ╄-       | 1            |
| 35       | $oxed{oxed}$ | L            |   | $\Box$       |                                     |          | $oxedsymbol{oxed}$ |          | $oxed{oxed}$                  |   |          | 85       | <u></u>  | <u>.                                    </u> | _        | _          | _                                      |          | L        | 丄        | <del> </del> |
| 36       |              | Ľ            |   |              |                                     |          |                    |          |                               | 1 |          | 86       | _        | _  | <u> </u> |            | 1_                                     | $\perp$  | <u> </u> | _        | _            |
| 37       |              |              |   |              |                                     |          |                    |          |                               | 1 |          | 87       |          | $oxedsymbol{oxed}$                           | L        | L          | 上                                      | ↓_       | L        | ↓_       | <u> </u>     |
| 38       |              |              |   |              |                                     |          |                    |          |                               |   |          | 88       | L        | L  |          | $\perp$    | 1                                      | 1        | L        | $\perp$  | _            |
| 39       | Τ.           |              |   |              |                                     |          |                    | L        |                               | 1 |          | 89       |          |  | Ĺ        | L          | 1                                      | 1        | Ļ        | $\perp$  | <u> </u>     |
| 40       | $\mathbf{I}$ |              |   |              |                                     |          |                    |          |                               | 1 |          | 90       | <u> </u> | L  | _        | L          | $\perp$                                | 1_       | $\perp$  | $\perp$  | <u> </u>     |
| 41       |              |              |   |              | $\prod$                             |          |                    | $\Box$   | $\perp$                       | ] |          | 91       | 匚        |  |          | L          |  |          | 1        | _        | <u> </u>     |
| 42       |              |              |   | L            |                                     |          |                    |          |                               | ] |          | 92       |          | Ĺ  |          | L          |  | ļ        | _        | 1_       | _            |
| 43       |              |              |   |              |                                     |          |                    |          |                               | 1 |          | 93       |          |  |          |            |  | <u> </u> | _        | 1        | 4_           |
| 44       |              | $I^-$        |   | $\prod$      |                                     |          |                    |          | L                             | 1 |          | 94       |          |  |          |            |  | L        | _        | $\perp$  | <u> </u>     |
| 45       |              |              |   |              |                                     |          |                    |          |                               | ] |          | 95       |          |  |          |            |  |          | $\perp$  | _        | 1_           |
| 46       |              | Γ            |   | $oxed{\Box}$ |                                     |          |                    |          |                               | ] |          | 96       |          |  |          |            |  |          | L        | 1_       | $\perp$      |
| 47       |              | $oxed{\Box}$ |   |              |                                     |          |                    |          |                               |   |          | 97       |          | L  | $\Box$   | L          |  |          | L        | $\perp$  | _            |
| 48       |              | Ι            |   |              |                                     |          |                    |          |                               | ] |          | 98       | L        |  | Į.       | L          | 1                                      | 1        | L        | 丄        | 1_           |
| 49       |              | $\prod$      |   |              |                                     |          |                    |          |                               | ] |          | 99       |          |  |          |            |  | _        | 1        | 1        | 1_           |
| 50       |              | Π            | Γ | $\prod$      | $oxed{\mathbb{L}}$                  |          | L                  |          |                               | J |          | 100      |          |  |          |            |  |          |          |          |              |

| Cla          | Date  |              |          |                    |                    |  |   |          |                 |          |
|--------------|---|--------------|----------|--------------------|--------------------|--|---|----------|-----------------|----------|
| Final        | Original  |              |          |                    |                    |  |   |          |                 |          |
| Ē            |   |              |          |                    |                    |  |   |          |                 |          |
|              | 101<br>102<br>103   |              |          |                    | L                  | <u> </u>   |   |          |                 |          |
|              | 102   |              |          |                    |                    |  |   |          |                 | _        |
|              | 103   |              |          |                    |                    |  |   |          |                 | _        |
|              | 104<br>105  |              |          |                    | _                  |  |   |          |                 | _        |
|              | 105   |              |          |                    | _                  | _  | L.  |          |                 |          |
|              | 106   |              |          | <u> </u>           |                    | <u> </u>   | ļ   |          |                 | _        |
|              | 107   |              |          | <u> </u>           |                    | _  | <u> </u>  |          | $\Box$          | _        |
|              | 108<br>109  | _            | _        | ļ                  | <u> </u>           |  | <u> </u>  | _        |                 | _        |
|              | 109   |              | <u> </u> | <u> </u>           | _                  | <u> </u>   |   | _        | $\vdash$        |          |
|              | 110   | <u> </u>     | _        | 1_                 | _                  |  | <u> </u>  |          | $\vdash \vdash$ | ᅴ        |
|              | 111<br>112<br>113   | <u> </u>     | $\vdash$ |                    | <b> </b>           | -  | $\vdash$  |          | $\vdash$        |          |
|              | 112   |              | $\vdash$ | -                  |                    | ·  | -   |          | $\vdash$        | $\dashv$ |
|              | 113   | <u> </u>     |          | ├-                 | ├-                 | -  | <del> </del>                                      | $\vdash$ |                 | $\dashv$ |
|              | 114<br>115<br>116   | _            |          | ⊢                  | ₩                  | -  | ├   | -        |                 |          |
| -            | 115   | <u> </u>     | -        | $\vdash$           | -                  | ⊢  | -   | $\vdash$ | $\vdash$        | _        |
|              | 116   | -            | H        | ┢                  | ├                  | ⊢  | ⊢   | -        | Н               | -        |
|              | 117   |              | $\vdash$ | -                  | -                  | ⊢  | ├   | -        | $\vdash$        | $\dashv$ |
|              | 118   | <del> </del> | ├        | ⊢                  | -                  | -  |   | ┈        | $\vdash$        |          |
|              | 119<br>120<br>121   |              | ├        | ├                  | ├-                 | ╁  | ┢   | -        | Н               | $\dashv$ |
|              | 120   | ⊢            | -        | -                  | -                  | ⊢  | ├   |          | H               | $\dashv$ |
|              | 121   | ├            | ⊢        | -                  | <b>├</b> ─         | ╁  | ┝   | -        |                 | -        |
|              | 122   | ⊢            | ╁╾       | ╀                  | $\vdash$           | ╁╾   |   | ⊢        | $\vdash$        |          |
|              | 122<br>123<br>124<br>125<br>126<br>127<br>128<br>129<br>130<br>131<br>132 | $\vdash$     | ╁┈       | +-                 | ╁╌                 | ╁╌╴  | ╁   | ┢        | ┝               | _        |
|              | 125   | ├            | $\vdash$ | $\vdash$           | ╫                  | ╁  | $\vdash$  | $\vdash$ | $\vdash$        |          |
| <u> </u>     | 126   | ├            | ╁─       | ╁╌                 | $\vdash$           | ╁╌   | <del> </del>                                      | H        |                 | $\dashv$ |
| <del> </del> | 127   | $\vdash$     | -        | ╁                  | 十                  | <del> </del>                                     | $\vdash$  | $\vdash$ |                 | Н        |
|              | 128   | -            | 1        | ╁                  | ┢                  | 1  | $t^-$   |          | <u> </u>        | Н        |
| -            | 129   | _            | 1-       |                    |                    | <del>                                     </del> | $t^-$   | H        |                 | H        |
|              | 130   | ╁╴           | t        | <del> </del>       | T                  | $t^-$  | 1   | T        |                 | Н        |
|              | 131   | t            | $\vdash$ | t-                 | +                  | t  | 1   |          | T               | Н        |
| _            | 132   | ┰            | 1        | 1                  | 1                  | $\top$   | T   | †        | $\vdash$        |          |
|              | 133   | T            | $\vdash$ | 1                  | ✝                  | +  |   | T        | T               |          |
|              | 134   | 1            | T        | T                  | 1                  | 1  | 1   |          | $\vdash$        | М        |
|              | 133<br>134<br>135   | 1            | 1        | T                  | T                  | $\top$   | $\top$  |          | 1               | П        |
|              | 136   | Τ            |          | 1                  |                    | $\top$   | 1   |          |                 | П        |
|              | 136<br>137  |              | Τ        |                    | Ι                  |  |   |          | Ι               |          |
|              | 138   |              | Τ        | 1                  | Т                  | Т  | Т   | Τ        | 1               |          |
|              | 139<br>140  |              |          | Τ                  |                    | Ι  |   | L        |                 |          |
|              | 140   |              | Γ        |                    |                    | Γ  | I   |          |                 |          |
|              | 141   |              | L        | $\Gamma$           | $oxed{\mathbb{L}}$ | $\prod$  | $I^{-}$   |          |                 |          |
|              | 142   | $\Gamma$     |          | $\Gamma$           | Ι                  |  |   |          |                 |          |
|              | 143   |              |          | $oxedsymbol{oxed}$ |                    |  |   |          |                 |          |
|              | 144   |              |          | $\perp$            |                    |  | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ |          |                 |          |
|              | 145   |              | L        |                    |                    |  |   |          |                 |          |
|              | 146   |              |          |                    | $\perp$            |  | $\perp$   |          |                 |          |
|              | 147   |              | oxdot    | $\perp$            |                    | $\perp$  | $\perp$   |          | oxdot           | $\Box$   |
|              | 148   |              | Γ        |                    |                    | $\perp$  | $\Gamma$  |          |                 |          |
|              | 149   | $\Box$       | $\perp$  |                    | $\perp$            | $\perp$  | $\perp$   |          |                 |          |
|              | 150   |              |          | L                  |                    |  |   |          |                 |          |
|              |   |              |          |                    |                    |  |   |          |                 |          |